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(54) Title: SINGLE STAGE SEED POLYMERISATION FOR THE PRODUCTION OF LARGE POLYMER PARTICLES WITH A NARROW SIZE DISTRIBUTION

(57) Abstract: The present invention concerns large spherical polymer particles with a narrow size distribution and a procedure for producing such particles. The procedure is characterised in that a seed polymerisation is performed in which the start particles have a very high ability to absorb new monomer so that finished particles are obtained after only one stage of polymerisation even if the finished particles are to be as large as in the range 10 to 100 µm. The procedure is also characterised in that, when porous particles are produced, a porous structure can be formed in which the fraction of micropores is insignificant. Another characteristic feature of the procedure is that the size distribution of the finished particles is narrow and in some cases narrower than the start particles.